BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Improvements to Cement concrete roads at Munikondappa Layout & Muneshwara Nagara in Bagalagunte Ward No 14

Sl	Description of Item	Unit	Est. Cost Rs				50.00 Lakhs		
			No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in Hard Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts including Conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 9 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of Engineer-in-charge of the work. (P-19.2 of KPWD SR 16-17)								
		Cum	1	50.00	1.20	0.95	57.00		
			1	50.00	1.20	0.95	57.00		
			1	31.00	1.20	0.95	35.34		
							149.34	203.78	30433.00
	Basic Rate	192.24							
	Add Area Weightage 6%	11.53							
	Total	203.78							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.No KBS 4.1, 4.2 (Page No 12, It No 4.3 of KPWD SR 2016-17)								
		Cum	1	50.00	1.20	0.15	9.00		
			1	50.00	1.20	0.15	9.00		
			1	31.00	1.20	0.15	5.58		
	Basic Rate	4867.00					23.58	5159.02	121650.00
	Add Area Weightage 6%	292.02							
	Total	5159.02							
3	KSRRB M2200-5.9 Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008- i) Upto 5 m height. Page No. 223 Item No. 28.7.9 PWD SR 2016-17								
		Cum	1	48.00	1.00	0.15	7.20		
			1	6.20	1.00	0.15	0.93		
			1	76.00	1.00	0.15	11.46		
			2	48.00	0.15	0.80	11.52		
			2	6.20	0.15	0.80	1.48		

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
			2	76.00	0.15	0.80	18.24		
	Basic Rate	6571.00					50.83	6965.26	354044.00
	Add Area Weightage 6%	394.26							
	Total	6965.26							
4	KSRRB M2200-6, Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification								
		Tonn	23	339.53			7809.08		
							7.81	66482.14	519164.00
	Basic Rate	62719.00							
	Add Area Weightage 6%	3763.14							
	Total	66482.14							
5	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc,. And removal of form work for vertical surface such as walls at any thickness, includig attached pilasters, butresses, plinth cills and string coursea cost of all materials, labour complete as per specifications.(P.15, IT-4.31) PWD - SR 2016-17)								
		Sqm	4	48.00		0.90	172.80		
			4	6.20		0.90	22.32		
			4	76.00		0.90	273.60		
	Basic Rate	293.00					468.72	310.58	145575.00
	Add Area Weightage 6%	17.58							
	Total	310.58							
6	Providing & Laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials labour curing transportation loading, unloading etc., as per direction of the Engineer in Charge								
	Data Rate	Sqm	1	48	0.90		43.20		
			1	6.2	0.90		5.58		
			1	76	0.90		68.40		
							117.18	1957.00	229321.00
7	KSRRB M400-17 : Providing, laying, spreading and compacting stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete as per specifications. MORTH Specification No.406 Page No 158/ Item No 20.18/PWD SR 2016-17								
		Cum	1	390	4.50	0.15	263.25		
	Basic Rate	1668.00					263.25	1768.08	465447.00
	Add Area Weightage 6%	100.08							
	Total	1768.08							

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRRB M600-1 : Construction of dry lean cement Concrete mix CC1:5:10 with OPC cement @160kgs, with 25mm and down size graded grnite metal coarse aggragate at 0.86cum and fine aggregates @ 0.58cum sub-base over a prepared sub-grade with (Coarse and fine aggregate conforming to IS:383) aggregate cement ratio not to exceed 15:1 Aggregat gradiation after blending to be asper Table 600-1, cement content not to be less than 160kg/cum, optimum moisture content to be determined during trail length construction, concrete strength not to less than 10Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete s per specifications Page No 176/ Item No 22.1/PWD SR 2016-17								
		Cum	1	383	1.50	0.15	86.18		
	Basic Rate	3761.00					86.18	3986.66	343550.00
	Add Area Weightage 6%	225.66							
	Total	3986.66							
9	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum)(P.177/I.22.6.1) PW, P & IWTD - SR 2016-17)								
		Cum	1	503	4.50	0.15	339.53		
	Basic Rate	5866.00					339.53	6217.96	2111153.00
	Add Area Weightage 6%	351.96							
	Total	6217.96							
10	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc. Page No. 177/ Item No.22.7 PWD SR 2016-17								
		Sqm	1	422	4.30		1814.60	96.40	174927.00
	Basic Rate	91.00							
	Add Area Weightage 6%	5.46							
	Total	96.40							

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
11	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2016-17								
		Cum	1	40.00	1.20	0.95	45.60	85.65	3906.00
	Loading and Unloading Charges	68.00							
	Lead 4 KMs 2x1.28x4	12.80							
		80.80							
	Add Area Weightage 6%	4.85							
	Total	85.65							
								Sub Total	4499170
8	KRIDL 11%								494909.00
9	Miscellaneous and UnforessenCharges								5921.00
								Total	5000000.00

Rupees Fifty Lakhs Only

(CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary

2 The Estimate is prepared as per the PW,P & IWTD -SR-2016-17

3 The Provision made in estimate are adequate and essential.

4 This area comes under BBMP limits.

Assistant Engineer
Ward No.14
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarahalli Division
BBMP - Bangalore

ಸಂ.EE/DS/AS/134/ದಿನಾಂಕ : 26/9/17
ರೂ. Fifty Lakh Rupees only
Rs. 50-00 Lakhs
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂ. CE/TS/170/17-18 ದಿನಾಂಕ : 26/9/17
ರೂ. Fifty Lakh Rupees only
Rs. 50-00 Lakhs.
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.